

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	Managing a Secure Environment Using a Chipset in Isolated Execution Mode						
Application Number :	09/540613						
Confirmation Number:	2175						
First Named Applicant:	Carl Ellison						
Attorney Docket Number:	42P08628						
Art Unit:	2134						
Examiner:	Ellen Tran						
Search string:	(20010027511 or 20020007456 or 20020023032 or 20020147916 or 20020166061 or 20020169717 or 20030074548 or 20030115453 or 20030126442 or 20030126453 or 20030159056 or 20030188179 or 20030196085 or 20040117539 or 3699532 or 3996449 or 4207609 or 4319233 or 4403283 or 4419724 or 4430709 or 4621318 or 4802084 or 4975836 or 5187802 or 5230069 or 5237616 or 5287363 or 5295251 or 5361375 or 5469557 or 5506975 or 5555385 or 5555414 or 5560013 or 5564040 or 5574936 or 5582717 or 5604805 or 5633929 or 5668971 or 5684948 or 5706469 or 5740178 or 5752046 or 5809546 or 5825880 or 5919257 or 5935242 or 5935247).pn						
US Patent Documents							
Note: Applicant is not required to submit a paper copy of cited US Patent Documents							
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
ECT	1	20010027511	2001-10-04	Wakabayashi, Masaki , et al.		711	163
	2	20020007456	2002-01-17	Peinado, Marcus , et al.		713	164
	3	20020023032	2002-02-21	Pearson, Siani L., et al.		705	35
	4	20020147916	2002-10-10	Strongin, Geoffrey S., et al.		713	193
	5	20020166061	2002-11-07	Falik, Ohad , et al.		713	200
	6	20020169717	2002-11-14	Challener, David C.		705	40
	7	20030074548	2003-04-17	Cromer, Daryl C., et al.		713	1
	8	20030115453	2003-06-19	Grawrock, David W.		713	155
✓	9	20030126442	2003-07-03	Glew, Andrew F., et al.		713	170

Best Available Copy

CLASS SUB(J)

ECT	10	20030126453	2003-07-03	Glew, Andrew F., et al.	713	193	
	11	20030159056	2003-08-21	Cromer, Daryl C., et al.	713	193	
	12	20030188179	2003-10-02	Challener, David C., et al.	713	193	
	13	20030196085	2003-10-16	Lampson, Butler W., et al.	713	161	
	14	20040117539	2004-06-17	Bennett, Steve , et al.	711	6	
	15	3699532	1972-10-17	Schaffer, Harry G., et al.	710	48	
	16	3996449	1976-12-07	Attanasio, Clement R., et al.	235	431	
	17	4207609	1980-06-10	Luiz, Fernando A., et al.	710	38	
	18	4319233	1982-03-09	Matsuoka, Michihiro , et al.	346	622	
	19	4403283	1983-09-06	Myntti, Jon N., et al.	711	2	
	20	4419724	1983-12-06	Branigin, Michael H., et al.	710	108	
	21	4430709	1984-02-07	Schleupen, Richard , et al.	711	163	
	22	4621318	1986-11-04	Maeda, A.	364	200	
	23	4802084	1989-01-31	Ikegaya, Hiroshi , et al.	711	6	
	24	4975836	1990-12-04	Hirosawa, Toshio , et al.	718	100	
	25	5187802	1993-02-16	Inoue, Taro , et al.	718	107	
	26	5230069	1993-02-16	Brelsford, David P., et al.	718	106	
	27	5237616	1993-08-17	Abraham, Dennis G., et al.	718	193	
	28	5287363	1994-02-15	Wolf, Paul I., et al.	714	718	
	29	5295251	1994-03-15	Wakui, Fujio , et al.	718	1	
	30	5361375	1994-11-01	Ogi, Yoshifumi	718	1	
	31	5469557	1995-11-21	Salt, Tom , et al.	711	103	
	32	5506975	1996-04-09	Onodera, Osama	714	1	
	33	5555385	1996-09-10	Osisek, Damian L.	711	1	
	34	5555414	1996-09-10	Hough, Roger E., et al.	710	261	
	35	5560013	1996-09-24	Scalzi, Casper A., et al.	717	138	
✓	36	5564040	1996-10-08	Kubala, Jeffrey P.	711	173	

CLASS SUBCLASS

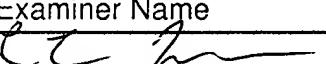
ECT	37	5574936	1996-11-12	Ryba, Edward G., et al.	712	30	
	38	5582717	1996-12-10	Di Santo, Dennis E.	710	86	
	39	5604805	1997-02-18	Brands, Stefanus A.	360	30	
	40	5633929	1997-05-27	Kaliski, Jr., Burton S.	711	111	
	41	5668971	1997-11-16	Neufeld, E. D.	713	200	
	42	5684948	1997-11-04	Johnson, James S., et al.	710	240	
	43	5706469	1998-01-06	Kobayashi, Souichi	714	722	
	44	5740178	1998-04-14	Jacks, Steven A., et al.	713	200	
	45	5752046	1998-05-12	Oprescu, Florin , et al.	713	300	
	46	5809546	1998-09-15	Greenstein, Paul G., et al.	711	164	
	47	5825880	1998-10-20	Sudia, Frank W., et al.	713	180	
	48	5919257	1999-07-06	Trostle, Jonathan	713	200	
	49	5935242	1999-08-10	Madany, Peter W., et al.	710	1	
✓	50	5935247	1999-08-10	Pai, Hsin-Ying , et al.	713	200	

Remarks

Note: Remarks are not for responding to an office action.

Part 1 of 2 IDSes.

Signature

Examiner Name	Date
	29 AUG 2005

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Search string:		(3996449 or 5935247 or 5944821 or 5956408 or 5978475 or 6035374 or 6044478 or 6088262 or 6093213 or 6108644 or 6131166 or 6173417 or 6175924 or 6188257 or 6199152 or 6275933 or 6282650 or 6327652 or 6378068 or 6397379 or 6529909 or 6560627 or 6609199 or 6615278 or 6651171 or 6678825 or 6684326).pn)						
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	2	5935247	1999-08-10	Pai, Hsin-Ying , et al.		713	200	
	3	5944821	1999-08-31	Angelo, Michael F.		364	200	
	4	5956408	1999-09-21	Arnold, Todd W.				
	5	5978475	1999-11-02	Schneier, Bruce , et al.		713	177	
	6	6035374	2000-03-07	Panwar, Ramesh , et al.		711	119	
	7	6044478	2000-03-28	Green, Daniel W.		714	42	
	8	6088262	2000-07-11	Nasu, Hiroaki		365	186, 01	
	9	6093213	2000-07-25	Favor, John G., et al.		703	27	
	10	6108644	2000-08-22	Goldschlag, David M., et al.		705	69	
	11	6131166	2000-10-10	Wong-Isley, Becky		713	300	
✓	12	6173417	2001-01-09	Merrill, John W.		714	15	
✓	13	6175924	2001-01-16	Arnold, Todd W.	713	713	189	

ECT	14	6188257	2001-02-13	Buer, Mark L.		327	143
	15	6199152	2001-03-06	Kelly, Edmund J., et al.		711	207
	16	6275933	2001-08-14	Fine, Michael , et al.		713	2
	17	6282650	2001-08-28	Davis, Derek L.		713	176
	18	6327652	2001-12-04	England, Paul , et al.		713	2
	19	6378068	2002-04-23	Foster, Mark J.		713	1
	20	6397379	2002-05-28	Yates, Jr., John S., et al.		717	140
	21	6529909	2003-03-04	Bowman-Amuah, Michel K.		707	10
	22	6560627	2003-05-06	McDonald, Michael F., et al.		718	103
	23	6609199	2003-08-19	DeTreville, John		713	172
	24	6615278	2003-09-02	Curtis, Bryce A.		719	310
	25	6651171	2003-11-18	England, Paul , et al.		713	193
	26	6678825	2004-01-13	Ellison, Carl M., et al.		713	200
✓	27	6684326	2004-01-27	Cromer, Daryl C., et al.	X	713	2

ECT

Remarks

Note: Remarks are not for responding to an office action.

Part 2 of 2 electronic IDSs.

Signature

Examiner Name	Date
<i>CC</i>	<i>29 Aug 2008</i>



09/540,613

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Carl M. Ellison et al.

Application No.: 09/540,613

Docket No.: P8628

Filed: 03/31/00

For: MANAGING A SECURE
ENVIRONMENT USING A CHIPSET
IN ISOLATED EXECUTION MODE

Examiner: Ellen C. Tran

Art Unit: 2134

Phone No.: (703) 305-8917

CROSS REFERENCE TO RELATED APPLICATIONS

COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Applicants hereby cross-reference the following related patents and patent applications, which are all assigned to the same assignee as the present patent application,

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313 on:

9-21-04

Date of Deposit

Kristin A. Morrow

Name of Person Mailing Correspondence

Kristin A. Morrow 9-21-04

Signature

Date

09/540,613

ECT

Reference No.	Application Serial No.	Patent No.	Title
1	09/672,603		Controlling Accesses To Isolated Memory Using A Memory Controller For Isolated Execution
2	09/822,986		Checking File Integrity Using Signature Generated In Isolated Execution
3	09/538,951		Platform And Method For Issuing And Certifying A Hardware-Protected Attestation Key
4	09/539,344		Managing A Secure Platform Using A Hierarchical Executive Architecture In Isolated Execution Mode
5	09/668,585		Managing A Secure Platform Using A Hierarchical Executive Architecture In Isolated Execution Mode
6	09/541,108		Platform And Method For Remote Attestation Of A Platform
7	09/540,612		Platform And Method For Generating And Utilizing A Protected Audit Log
8	09/540,946		Protecting Software Environment In Isolated Execution
9	09/668,610		Protecting Software Environment In Isolated Execution
10	09/538,954		Generating Isolated Bus Cycles For Isolated Execution
11	09/539,348	6,760,441	Generating A Key Hierarchy For Use In An Isolated Execution Environment
12	09/541,477	6,507,904	Isolated Instructions For Isolated Execution
13	09/540,611		Managing Accesses In A Processor For Isolated Execution
14	09/540,613		Managing A Secure Environment Using A Chipset In Isolated Execution Mode
15	09/668,408		Managing A Secure Environment Using A Chipset In Isolated Execution Mode
16	09/541,667		Attestation Key Memory Device And Bus
17	09/672,602		Attestation Key Memory Device And Bus
18	09/618,738	6,678,825	Controlling Access To Multiple Isolated Memories In An Isolated Execution Environment
19	09/618,489	6,633,963	Controlling Access To Multiple Memory Zones In An Isolated Execution Environment
20	10/683,542		Controlling Access To Multiple Memory Zones In An Isolated Execution Environment
21	09/618,659		Resetting A Processor In An Isolated Execution Environment
22	09/751,586		Resetting A Processor In An Isolated Execution Environment

29 AUG '05

09/540,613

It may be noted that the above list includes the present application, and the above list partially overlaps the cross-reference to related applications that was filed earlier.

If there are any questions that may be cleared up in a telephone interview, the Examiner is invited to call the undersigned at (512) 732-3927.

Respectfully submitted,

Dated: 9/20/04

MR Barré
Michael R. Barré
Patent Attorney
Intel Americas, Inc.
Registration No. 44,023
(512) 732-3927

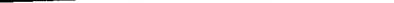
c/o Blakely, Sokoloff, Taylor &
Zafman, LLP
12400 Wilshire Blvd.
Seventh Floor
Los Angeles, CA 90025-1026



Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	09/540,613
				Filing Date	March 31, 2000
				First Named Inventor	Carl M. Ellison
				Art Unit	2134
				Examiner Name	Ellen C. Tran
				Attorney Docket Number	42390P8628
Sheet	1	of	1		

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	29 AUG 2005
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**Examiner:* Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include
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'Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark if English-language Translation is attached.

Here is English language translation of the original Hebrew document.
Signed by Blatko, Sotkoff, Taylor & Zafman (wtr) 08/11/2003.

Based on P-103, dated 11-11-71.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td style="width: 50%;">09/540,611</td> </tr> <tr> <td>Filing Date</td> <td>March 31, 2000</td> </tr> <tr> <td>First Named Inventor</td> <td>Ellison, Carl</td> </tr> <tr> <td>Group Art Unit</td> <td>2134</td> </tr> <tr> <td>Examiner Name</td> <td>Tran, Ellen</td> </tr> </table>		Application Number	09/540,611	Filing Date	March 31, 2000	First Named Inventor	Ellison, Carl	Group Art Unit	2134	Examiner Name	Tran, Ellen
Application Number	09/540,611												
Filing Date	March 31, 2000												
First Named Inventor	Ellison, Carl												
Group Art Unit	2134												
Examiner Name	Tran, Ellen												
		Attorney Docket No: 42P08112											
Sheet 1 of 2													

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T ³
ECT	EP-EP0892521	01/20/1999	Zamek, Steven			
	EP-EP1055989	11/29/2000	Proudler, Graeme J., et al.			
	EP-EP1056014	11/29/2000	Proudler, Graeme J., et al.			
	WO-WO0201794	01/03/2002	Ellison, Carl			
	WO-WO02060121	08/01/2002	Grawrock, David W.			
	WO-WO03058412	07/17/2003	Glew, Andrew , et al.			
V	WO-WO9812620	03/26/1998	Nishiuchi, Taiki , et al.			
V	WO-WO9918511	04/15/1999	Edrich, David R.			

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ³
ECT		COULOURIS, GEORGE , et al., "Distributed Systems, Concepts and Designs". 2nd Edition, (1994),422-424	
		CRAWFORD, JOHN , "Architecture of the Intel 80386", Proceedings of the IEEE International Conference on Computer Design: VLSI in Computers and Processors (ICCD '86), (October 6, 1986),155-160	
		FABRY, R.S. , "Capability-Based Addressing", Fabry, R.S., "Capability-Based Addressing," Communications of the ACM, Vol. 17, No. 7, (July 1974),403-412	
		FRIEDER, GIDEON , "The Architecture And Operational Characteristics of the VMX Host Machine", The Architecture And Operational Characteristics of the VMX Host Machine, IEEE, (1982),9-16	
		INTEL CORPORATION, "IA-64 System Abstraction Layer Specification", Intel Product Specification, Order Number 245359-001, (01/2000),1-112	
		INTEL CORPORATION, "Intel IA-64 Architecture Software Developer's Manual", Volume 2: IA-64 System Architecture, Order Number 245318-001, (01/2000),i, ii, 5.1-5.3, 11.1-11.8, 11.23-11.26	
		MENEZES, ALFRED J., et al., "Handbook of Applied Cryptography", CRC Press Series on Discrete Mathematics and its Applications, Boca Raton, FL, XP002165287, ISBN 0849385237,(Oct. 1998),403-405, 506-515, 570	
		NANBA, S. , et al., "VM/4: ACOS-4 Virtual Machine Architecture", VM/4: ACOS-4 Virtual Machine Architecture, IEEE, (1985),171-178	
		RSA SECURITY, "Hardware Authenticators", www.rsasecurity.com/node.asp?id=1158, 1-2	
		RSA SECURITY, "RSA SecurID Authenticators", www.rsasecurity.com/products/securid/datasheets/SID.DS.0103.pdf, 1-2	
V		RSA SECURITY, "Software Authenticators", www.rsasecurity.com/node.asp?id=1313, 1-2	

EXAMINER

E.P.T.

DATE CONSIDERED

9 Aug 2004

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 600. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. If applicant's unique citation designation number (optional) is placed a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Complete if Known	
		Application Number	09/540,611
		Filing Date	March 31, 2000
		First Named Inventor	Ellison, Carl
		Group Art Unit	2134
		Examiner Name	Tran, Ellen
Sheet 2 of 2		Attorney Docket No: 42P08112	

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cito No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
ECT		SCHNEIER, BRUCE , "Applied Cryptography: Protocols, Algorithm, and Source Code in C", Wiley, John & Sons, Inc., XP002939871; ISBN 0471117099,(Oct. 1995),47-52	
		SCHNEIER, BRUCE , "Applied Cryptography: Protocols, Algorithm, and Source Code in C", Wiley, John & Sons, Inc., XP002138607; ISBN 0471117099,(Oct. 1995),56-65	
		SCHNEIER, BRUCE , "Applied Cryptography: Protocols, Algorithms, and Source Code C", Wiley, John & Sons, Inc., XP0021111449; ISBN 0471117099,(Oct. 1995),169-187	
✓		SCHNEIER, BRUCE , "Applied Cryptography: Protocols, Algorithms, and Source Code in C", 2nd Edition; Wiley, John & Sons, Inc., XP002251738; ISBN 0471128457,(Nov. 1995),28-33; 176-177; 216-217; 461-473; 518-522	

EXAMINER

Ephraim

DATE CONSIDERED

July 04

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached



ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18
Stylesheet Version v18.0

Title of Invention	Managing Accesses in a Processor for Isolated Execution						
Application Number:	09/540611 						
Confirmation Number:	2172						
First Named Applicant:	Carl Ellison						
Attorney Docket Number:	42P08112						
Art Unit:	2134						
Examiner:	Ellen Tran						
Search string:	(3699532 or 4207609 or 4319233 or 4403283 or 4419724 or 5237616 or 5287363 or 5560013 or 5604805 or 5633929 or 5668971 or 5684948 or 5706469 or 5740178 or 5752046 or 5809546 or 5825880 or 5919257 or 5935242 or 5935247 or 6035374 or 6093213 or 6108644 or 6131166 or 6199152 or 6327652 or 6397379 or 6529909 or 6560627 or 6609199 or 6615278 or 6651171 or 6684326).pn.						
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Attorney Docket Number:	42P08628 Technology Center 2100						
Art Unit:	Unknown						
Examiner:	Unknown Unknown						
Search string:	(20030018892 or 4162536 or 4247905 or 4276594 or 4307447 or 4319323 or 4347565 or 4759064 or 4795893 or 4825052 or 4907270 or 4907272 or 4910774 or 5007082 or 5139760 or 5317705 or 5319760 or 5434999 or 5437033 or 5442645 or 5459867 or 5504922 or 5511217 or 5522075 or 5528231 or 5533126 or 5566323 or 5606617 or 5720609 or 5721222 or 5737604 or 5796835 or 5825875 or 5854913 or 5867577 or 5900606 or 5901225 or 5903752 or 5970147 or 6061794 or 6075938 or 6092095 or 6115816 or 6182089 or 6212635 or 6222923 or 6252650 or 6269392 or 6272637 or 6308270 or 6314409 or 6330670 or 6357004 or 6363485 or 6374286 or 6374317 or 6378072 or 6389537 or 6397242 or 6412035 or 6421702 or 6435416 or 6445797 or 6463535 or 6463537 or 6507904 or 6535988 or 6557104 or 6633963 or 6633981).pn.						
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Remarks

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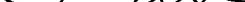

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Substitute for Form 1449A/PTO (Modified)				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	09/540,613
				Filing Date	March 31, 2000
				First Named Inventor:	Carl M. Ellison
				Group Art Unit	2782
				Examiner Name	Unassigned
Sheet	1	of	2	Attorney Docket Number	042390P8628
U.S. PATENT DOCUMENTS					
Exam. Initial*	Cite No. ¹	U.S. Patent Document	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Code ²			
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Examiner Signature		Date Considered	27 May 64
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Application Number	09/540,613
Filing Date	March 31, 2000
First Named Inventor:	Carl M. Ellison
Group Art Unit	2782
Examiner Name	Unassigned

Attorney Docket Number 042390P8628

OTHER ART – NO PATENT LITERATURE DOCUMENTS

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Application Number	09/540,613
Filing Date	March 31, 2000
First Named Inventor	Ellison, Carl
Group Art Unit	Unknown
Examiner Name	Unknown

Sheet 1 of 2

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Examiner Initials*	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date If Appropriate

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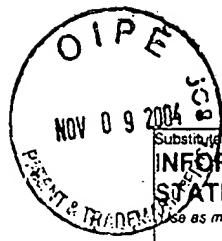
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<i>Complete if Known</i>	
Application Number	09/540,613
Filing Date	March 31, 2000
First Named Inventor	Ellison, Carl
Group Art Unit	Unknown
Examiner Name	Unknown
Sheet 2 of 2 Attorney Docket No: 42P08628	

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
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		Application Number	09/540,613
		Filing Date	March 31, 2000
		First Named Inventor	Ellison, Carl
		Group Art Unit	Unknown
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Sheet 1 of 2		Attorney Docket No: 42P08628	



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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		<i>Complete if Known</i> Application Number 09/540,613 Filing Date March 31, 2000 First Named Inventor Ellison, Carl Group Art Unit Unknown Examiner Name Tran, Ellen	
		Attorney Docket No: 42P08628	
Sheet 2 of 2			

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